

National Academy of Sciences

of the United States of America



MEMBERSHIP

July 1, 1974

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NATIONAL ACADEMY OF SCIENCES

JULY 1, 1974

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SECTIONS

The Academy is divided into the following Sections, to which members are assigned at their own choice:

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|-------------------|--|
| (1) Mathematics | (12) Psychology |
| (2) Astronomy | (13) Geophysics |
| (3) Physics | (14) Biochemistry |
| (4) Engineering | (15) Applied Biology |
| (5) Chemistry | (16) Applied Physical and
Mathematical Sciences |
| (6) Geology | (17) Medical Sciences |
| (7) Botany | (18) Genetics |
| (8) Zoology | (19) Social, Economic, and
Political Sciences |
| (9) Physiology | |
| (10) Microbiology | |
| (11) Anthropology | |

In the alphabetical list of members, the number in parentheses, following year of election, indicates the Section to which the member belongs.

CLASSES

The members of Sections are grouped in the following Classes:

- I. Physical and Mathematical Sciences (Sections 1, 2, 3, 5, 6, 13).
- II. Biological Sciences (Sections 7, 8, 9, 10, 14, 18).
- III. Engineering and Applied Sciences (Sections 4, 15, 16).
- IV. Medical Sciences (Section 17).
- V. Behavioral and Social Sciences (Sections 11, 12, 19).

OFFICERS

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| | <i>Secretary</i> —M. M. Wintrobe | (1977) |
| Class V: | <i>Chairman</i> —Ward H. Goodenough | (1977) |
| | <i>Secretary</i> —James Tobin | (1977) |

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- Wiberg, Kenneth Berle**, 1967 (5), Department of Chemistry, Yale University, New Haven, Connecticut 06520
- Wick, Gian-Carlo**, 1963 (3), Department of Physics, Columbia University, New York, New York 10027
- Widom, Benjamin**, 1974 (5), Department of Chemistry, Cornell University, Ithaca, New York 14850
- Wiesner, Jerome Bert**, 1960 (4), Office of the President, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139
- Wightman, Arthur Strong**, 1970 (3), Joseph Henry Laboratories, Princeton University, P.O. Box 708, Princeton, New Jersey 08540
- Wigner, Eugene Paul**, 1945 (3), Jadwin Hall, P.O. Box 708, Princeton University, Princeton, New Jersey 08540
- Wilder, Raymond Louis**, 1963 (1), 2427 Calle Montilla, Santa Barbara, California 93109
- Willey, Gordon Randolph**, 1960 (11), Peabody Museum, Harvard University, Cambridge, Massachusetts 02138
- Williams, Carroll Milton**, 1960 (8), Biological Laboratories, Harvard University, 16 Divinity Avenue, Cambridge, Massachusetts 02138
- Williams, Howel**, 1950 (6), Department of Geology and Geophysics, University of California, Berkeley, California 94720
- Williams, John Warren**, 1952 (5), Chemistry Building, University of Wisconsin, 1101 University Avenue, Madison, Wisconsin 53706
- Williams, Robley Cook**, 1955 (14), Department of Molecular Biology, University of California, Berkeley, California 94720

- Williams, Roger John**, 1946 (14), Clayton Foundation Biochemical Institute, University of Texas, Austin, Texas, 78712
- Wilson, Edgar Bright**, 1947 (5), Department of Chemistry, Harvard University, 12 Oxford Street, Cambridge, Massachusetts 02138
- Wilson, Edward Osborne**, 1969 (8), Museum of Comparative Zoology Laboratories, Harvard University, Cambridge, Massachusetts 02138
- Wilson, Olin Chaddock**, 1960 (2), Hale Observatories, 813 Santa Barbara Street, Pasadena, California 91101
- Wilson, Perry William**, 1955 (7), Department of Bacteriology, University of Wisconsin, Madison, Wisconsin 53706
- Wilson, Robert Rathbun**, 1957 (3), Fermi National Accelerator Laboratory, P.O. Box 500, Batavia, Illinois 60510
- Wintrobe, Maxwell Myer**, 1973 (17), University of Utah College of Medicine, 50 North Medical Drive, Salt Lake City, Utah 84132
- Witkop, Bernhard**, 1969 (5), Laboratory of Chemistry, National Institute of Arthritis, Metabolism, and Digestive Diseases, National Institutes of Health, Bethesda, Maryland 20014
- Wolfowitz, Jacob**, 1974 (1), Department of Mathematics, University of Illinois, Urbana, Illinois 61801
- Wolman, Abel**, 1963 (4), 209 Ames Hall, Johns Hopkins University, Baltimore, Maryland 21218
- Wood, Harland Goff**, 1953 (14), Department of Biochemistry, Case Western Reserve University, Cleveland, Ohio 44106
- Wood, William Barry III**, 1972 (18), Division of Biology 156-29, California Institute of Technology, Pasadena, California 91109
- Woodward, Robert Burns**, 1953 (5), Department of Chemistry, Harvard University, 12 Oxford Street, Cambridge, Massachusetts 02138
- Wooldridge, Dean Everett**, 1969 (4), 4545 Via Esperanza, Santa Barbara, California 93110
- Woolsey, Clinton Nathan**, 1960 (9), Department of Neurophysiology, 627 Waisman Center, University of Wisconsin, Madison, Wisconsin 53706
- Wright, Sewall**, 1934 (18), 3905 Council Crest, Madison, Wisconsin 53711
- Wu, Chien-Shiung**, 1958 (3), Department of Physics, Columbia University, New York, New York 10027
- Wulf, Oliver Reynolds**, 1949 (13), Arthur Amos Noyes Laboratory of Chemical Physics, California Institute of Technology, Pasadena, California 91109
- Wyckoff, Ralph Walter Graystone**, 1949 (5), Department of Physics, University of Arizona, Tucson, Arizona 85721
- Wyman, Jeffries**, 1969 (14), Istituti Fisioterapici Ospitalieri, Istituto Regina Elena, Viale Regina Elena, 291, Rome, Italy 00161
- Wyngaarden, James Barnes**, 1974 (17), Department of Medicine, Duke University Medical Center, Durham, North Carolina 27710
- Yang, Chen Ning**, 1965 (3), Department of Physics, State University of New York, Stony Brook, New York 11794
- Yanofsky, Charles**, 1966 (18), Department of Biological Sciences, Stanford University, Stanford, California 94305

- Yoder, Hatten Schuyler, Jr.**, 1958 (6), Geophysical Laboratory, Carnegie Institution of Washington, 2801 Upton Street, N.W., Washington, D.C. 20008
- Yost, Don Merlin Lee**, 1944 (5), California Institute of Technology, Pasadena, California 91109
- Young, William Gould**, 1951 (5), 5036 Avenida del Sol, Laguna Hills, California 92653
- Zacharias, Jerrold Reinach**, 1957 (3), Department of Physics, Massachusetts Institute of Technology, Cambridge, Massachusetts 02139
- Zachariasen, Frederik William Houlder**, 1949 (3), 100 Mateo Circle, Santa Fe, New Mexico 87501
- Zamecnik, Paul Charles**, 1968 (14), Huntington Laboratories of Harvard University, Massachusetts General Hospital, Boston, Massachusetts 02114
- Zariski, Oscar**, 1944 (1), Department of Mathematics, Harvard University, Science Center, 1 Oxford Street, Cambridge, Massachusetts 02138
- Zener, Clarence Melvin**, 1959 (16), Carnegie-Mellon University, Schenley Park, Pittsburgh, Pennsylvania 15213
- Zimm, Bruno Hasbrouck**, 1958 (5), Department of Chemistry, University of California, San Diego, La Jolla, California 92037
- Zinder, Norton David**, 1969 (10), Rockefeller University, New York, New York 10021
- Zinn, Walter Henry**, 1956 (4), 1155 Ford Lane, Dunedin, Florida 33528
- Zirkle, Raymond Elliott**, 1959 (8), Department of Biophysics, University of Chicago, 5640 Ellis Avenue, Chicago, Illinois 60637
- Zwanzig, Robert Walter**, 1972 (16), Institute for Fluid Dynamics and Applied Mathematics, University of Maryland, College Park, Maryland 20742
- Zworykin, Vladimir Kosma**, 1943 (4), RCA Laboratories, David Sarnoff Research Center, Princeton, New Jersey 08540
- Zygmund, Antoni**, 1960 (1), Department of Mathematics, University of Chicago, Chicago, Illinois 60637
- Number of Members July 1, 1974: 1066

PUBLIC WELFARE MEDALISTS

(Conferral year shown in parentheses)

- Bronk, Detlev Wulf** (1964), Rockefeller University, New York, New York 10021
- Doolittle, James Harold** (1959), 5225 Wilshire Boulevard, Los Angeles, California 90036
- Gardner, John William** (1966), 5325 Kenwood Avenue, Chevy Chase, Maryland 20015
- Harrar, J. George** (1963), 30 West 54th Street, New York, New York 10019
- Hill, Lister** (1969), United States Post Office, Montgomery, Alabama 36104
- Killian, James R., Jr.** (1956), Massachusetts Institute of Technology, Room 9-235, Cambridge, Massachusetts 02139
- Lilienthal, David Eli** (1954), 88 Battle Road, Princeton, New Jersey 08540

- Moe, Henry Allen** (1958), Clark Foundation, 30 Wall Street, New York, New York 10005
- Shannon, James Augustine** (1962), Rockefeller University, New York, New York 10021
- Weaver, Warren** (1957), Second Hill RR 3, New Milford, Connecticut 06776

MEMBERS EMERITI

- Bleakney, Walker**, 1959 (3), 4681 La Espada Drive, Santa Barbara, California 93111
- Blomquist, Alfred Theodore**, 1960 (5), Department of Chemistry, Cornell University, Ithaca, New York 14850
- Bradley, Wilmot Hyde**, 1946 (6), Pigeon Hill Road, Milbridge, Maine 04658
- Bramlette, Milton Nunn**, 1954 (6), Scripps Institution of Oceanography, La Jolla, California 92037
- Buddington, Arthur Francis**, 1943 (6), Department of Geological and Geophysical Sciences, Princeton University, Princeton, New Jersey 08540
- Coggeshall, Lowell Thelwell**, 1949 (17), Route 2, Foley, Alabama 36535
- Coolidge, William David**, 1925 (3), 1480 Lenox Road, Schenectady, New York 12308
- Corner, George Washington**, 1940 (17), American Philosophical Society, 104 South Fifth Street, Philadelphia, Pennsylvania 19106
- Dubos, René**, 1941 (17), Rockefeller University, New York, New York 10021
- Gilluly, James**, 1947 (6), 975 Estes Street, Lakewood, Colorado 80215
- Hammett, Louis Plack**, 1943 (5), 288 Medford Leas, Medford, New Jersey 08055
- Johnson, John Raven**, 1948 (5), Deer Valley Farm, Townshend, Vermont 05353
- Keyes, Frederick George**, 1930 (5), 15 Berkeley Street, Cambridge, Massachusetts 02138
- Kunitz, Moses**, 1967 (14), Valley Stream Apartments, Q-203, Lansdale, Pennsylvania 19446
- Lloyd, David Pierce Cradoc**, 1953 (9), New Cottage, Greatham, Pulborough RH20 2ES, Sussex, England
- Long, Esmond Ray**, 1946 (17), 220 Locust Street, Apt. 23-B, Philadelphia, Pennsylvania 19106
- Longworth, Lewis Gibson**, 1947 (5), 144-60 29th Avenue, Flushing, New York 11354
- Longwell, Chester Ray**, 1935 (6), 1820 Mark Twain Street, Palo Alto, California 94303
- Redfield, Alfred Clarence**, 1958 (13), P.O. Box 106, Woods Hole, Massachusetts 02543
- Schultz, Adolph Hans**, 1939 (11), Anthropologisches Institut, Künstlergasse 15, Zurich, Switzerland 8001
- Wetmore, Ralph Hartley**, 1954 (7), 12 Francis Avenue, Cambridge, Massachusetts 02138

Woodring, Wendell Phillips, 1946 (6), National Museum of Natural History, Washington, D.C. 20560

Number of Members Emeriti July 1, 1974: 22

FOREIGN ASSOCIATES

The number in parentheses following the year of election indicates association within the Sections of the National Academy of Sciences.

Adrian, of **Cambridge**, Edgar Douglas, Baron, 1941 (9), Trinity College, Cambridge, England

Aigrain, Pierre Raoul, 1974 (16), 8 Square Henry Paté, Paris, 75016, France

Alexandroff, Paul S., 1947 (1), Mathematical Institute of the Academy of Sciences of the U.S.S.R., Bolshaya Kalushskaya 19, Moscow, U.S.S.R.

Alfvén, Hannes O. G., 1966 (13), Division of Plasma Physics, Royal Institute of Technology, Stockholm 70, Sweden

Amaldi, Edoardo, 1962 (3), University of Rome, Piazzale delle Scienze, 5, Rome, Italy

Ambartsumian, Victor Amazaspovich, 1959 (2), Burakan Astronomical Observatory, Erevan, Armenia, U.S.S.R.

Andrewes, Sir Christopher Howard, 1964 (17), Overchalke, Coombe Bissett, Salisbury, Wiltshire, England

Auerbach, Charlotte, 1970 (18), Department of Genetics, Institute of Animal Genetics, West Mains Road, Edinburgh, EH9 3JN, Scotland

Baltzer, Fritz, 1967 (8), Zoological Institute, University of Berne, Berne, Switzerland

Barton, Derek Harold Richard, 1970 (5), Department of Chemistry, Imperial College of Science and Technology, South Kensington, London SW7, England

Bell, Ronald Percy, 1972 (5), Stirling University, Stirling, Scotland

Bergström, Sune, 1973 (14), Karolinska Institutet, S10Y01, Stockholm, Sweden

Best, Charles Herbert, 1950 (9), The C. H. Best Institute, 112 College Street, Toronto, Ontario, M5G 1L6, Canada

Blackett, Patrick Maynard Stuart, Baron, 1966 (3), The Royal Society, 6 Carlton House Terrace, London S.W. 1, England

Bogolubov, Nikolai Nikolaevich, 1969 (3), Joint Institute for Nuclear Research, Dubna, Main Post Office, P.O. Box 79, Moscow, U.S.S.R.

Bohr, Aage Niels, 1971 (3), Department of Physics, Niels Bohr Institute, Blegdamsvej 17, Copenhagen, Denmark

Brachet, Jean, 1965 (8), Laboratoire de Morphologie Animale, Université Libre de Bruxelles, 67, rue des Chevaux, Rhode-St-Genese, Belgium

Braunstein, Aleksandr E., 1974 (14), Institute of Molecular Biology, U.S.S.R. Academy of Sciences, Vavilova ul. 32, 117312 Moscow, U.S.S.R.

Broadbent, Donald E., 1970 (12), Applied Psychology Unit, Medical Research Council, 15 Chaucer Road, Cambridge, England

- de Broglie, Prince Louis**, 1948 (3), 94 Rue Perronet, Neuilly-sur-Seine, France
- Brun, Edmond Antoine**, 1960 (4), University of Paris, 8-10, place du Commerce, Paris XV, France
- Bullard, Sir Edward Crisp**, 1959 (13), Madingley Rise, Madingley Road, Cambridge, England
- Bullen, Keith Edward**, 1961 (13), Department of Applied Mathematics, University of Sydney, Sydney, Australia
- Bunning, Erwin**, 1968 (7), Institut für Biologie, 74 Tübingen, Auf der Morgenstelle, Germany-W
- Burnet, Sir Macfarlane**, 1954 (10), c/o Department of Microbiology, University of Melbourne, Parkville, 3052, Victoria, Australia
- Cartan, Henri Paul**, 1972 (1), 95, boulevard Jourdan, 75014-Paris, France
- Casimir, Hendrik Brugt Gerhard**, 1970 (16), N. V. Philips' Gloeilampenfabrieken, Eindhoven, The Netherlands
- Catcheside, David Guthrie**, 1974 (18), Research School of Biological Sciences, Australian National University, P.O. Box 475, Canberra, A.C.T. 2601, Australia
- Clark, John Grahme Douglas**, 1974 (11), The Master's Lodge, Peterhouse, Cambridge, CB2 1QY, England
- Cottrell, Sir Alan Howard**, 1972 (4), The Master's Lodge, Jesus College, Cambridge, England
- Cousteau, Jacques Yves**, 1968 (4), Oceanographic Museum, Monaco
- Criek, Francis Harry Compton**, 1969 (14), Medical Research Council, Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2QH, England
- Dirac, Paul Adrien Maurice**, 1949 (1), Department of Mathematics, St. John's College, Cambridge, England
- Dubinín, Nikolai Petrovich**, 1969 (18), Institute of General Genetics, Academy of Sciences of the U.S.S.R., Moscow, B-133, Moscow, U.S.S.R.
- Eccles, Sir John Carew**, 1966 (9), Department of Physiology, Laboratory of Neurobiology, State University of New York, 4234 Ridge Lea Road, Amherst, New York 14226 U.S.A.
- Eigen, Manfred**, 1966 (5), Max-Planck-Institut für Physikalische Chemie, Bunsenstrasse 10, 3400 Göttingen, Germany
- Engelhardt, Wladimir Aleksandrovitch**, 1973 (14), Institute of Molecular Biology, Academy of Sciences of the U.S.S.R., Vavilov str. 32, Moscow B-312, U.S.S.R.
- Ephrussi, Boris**, 1961 (18), Laboratoire de Génétique Physiologique, 91, Gif-sur-Yvette, France
- Eschenmoser, Albert Jakob**, 1973 (5), Eidgenössische Technische Hochschule Zürich, Laboratorium für Organische Chemie, Universitätstrasse 6/8, CH-8006 Zürich, Switzerland
- von Euler, Ulf Svante**, 1972 (9), Fysiologiska Institutionen 1, Karolinska Institutet, S-104 01 Stockholm 60, Sweden
- Frey-Wyssling, Albert Friedrich**, 1970 (7), Institut für Allgemeine Botanik, Eidgenössische Technische Hochschule, Universitätstrasse 2, Zurich, Switzerland

- von Frisch, Karl**, 1951 (8), Über der Klause 10, 8000 München 90, Germany
- Frumkin, Alexander N.**, 1969 (5), Institute of Electrochemistry, Academy of Sciences of the U.S.S.R., Leninsky Prospekt 31, Moscow, V-71, U.S.S.R.
- Gabor, Dennis**, 1973 (4), CBS Laboratories, 227 High Ridge Road, Stamford, Connecticut 06905 U.S.A.
- Gansser, Augusto**, 1971 (6), Geologisches Institut, Eidgenössische Technische Hochschule, Sonneggstrasse 5, Zurich, Switzerland
- Geijer, Per**, 1958 (6), Agnevaegen 5, Djursholm I, Sweden
- Gelfand, Israel M.**, 1970 (1), Laboratory of Mathematical Methods in Biology, Moscow State University, Moscow, 117234, U.S.S.R.
- Glass, David V.**, 1973 (19), The London School of Economics and Political Science, Houghton Street, Aldwych, London, WC2A 2AE, England
- Glen, Robert**, 1967 (15), 4523 Juniper Place, Victoria, British Columbia, V8N 3K1, Canada
- Goguel, Jean**, 1973 (6), Ecole Nationale Supérieure des Mines, 100, Rue du Bac, Paris VIIe, France
- Gorter, Cornelis Jacobus**, 1967 (3), Kamerlingh Onnes Laboratory, State University of Leiden, Nieuwsteeg 18, Leiden, The Netherlands
- Granit, Ragnar**, 1968 (9), The Nobel Institute for Neurophysiology, Karolinska Institutet, Stockholm 60, Sweden
- Gustafsson, Carl Åke Torsten**, 1967 (7), Institute of Genetics, Lund University, Sölvegaten 29, S-223, 62 Lund, Sweden
- Hadorn, Ernst**, 1969 (8), Zoologisch-Verlg. Anatomisches Institut der Universität Zurich, Kunstlergasse 16, 8006 Zurich, Switzerland
- Harrison, James Merritt**, 1965 (6), UNESCO, Place de Fontenoy, Paris 7, France
- Hawthorne, William Rede**, 1965 (4), University Engineering Laboratory, University of Cambridge, Trumpington Street, Cambridge, England
- Hayaishi, Osamu**, 1972 (14), Department of Medical Chemistry, Kyoto University Faculty of Medicine, Sakyo-ku, Kyoto 606, Japan
- Heisenberg, Werner**, 1961 (3), Max Planck Institut für Physik und Astrophysik, Aumeisterstrasse 6, Munich 23, Germany
- Herzberg, Gerhard**, 1968 (3), Division of Physics, National Research Council of Canada, Ottawa, Ontario, K1A 0R6, Canada
- Hill, Archibald Vivian**, 1941 (9), 11A Chaucer Road, Cambridge, England
- Hodge, Sir William Vallance Douglas**, 1959 (1), 16 Amhurst Court, Grange Road, Cambridge CB3 9BH, England
- Hodgkin, Sir Alan Lloyd**, 1974 (9), The Royal Society, 6 Carlton House Terrace, London, SW1Y 5AG, England
- Hodgkin, Dorothy Crowfoot**, 1971 (5), Chemical Crystallography Laboratory, South Parks Road, Oxford, England
- Hoyle, Sir Fred**, 1969 (2), Cockley Moor, Dockray, Penrith, Cumberland CA 11 0LG, England
- Jacob, François**, 1969 (10), Institut Pasteur, 25, Rue du Docteur Roux, Paris XV, France
- Jeffreys, Sir Harold**, 1945 (13), St. John's College, Cambridge, England

- Kapitza, Peter Leonidovich**, 1946 (3), S. I. Vavilov Institute of Physical Problems, Academy of Sciences of the U.S.S.R., Moscow, U.S.S.R.
- Katchalski, Ephraim**, 1966 (14), Residence of the President of the State of Israel, Jerusalem, Israel
- Keilis-Borok, Vladimir Isackovich**, 1971 (13), Institute of the Physics of the Earth, Academy of Sciences, Moscow, U.S.S.R.
- Kendrew, John Cowdery**, 1972 (14), Medical Research Council, Laboratory of Molecular Biology, Hills Road, Cambridge CB2 2QH, England
- Kihara, Hitoshi**, 1958 (18), National Institute of Genetics, Misima, Japan
- Kimura, Motoo**, 1973 (18), National Institute of Genetics, Mishima, 411 Japan
- Klein, George**, 1973 (17), Institutet för Tumörbiologi, Karolinska Institutet, 104 01 Stockholm 60, Sweden
- von Koenigswald, G. H. Ralph**, 1972 (11), Forschungsinstitut Senckenberg, Senckenberganlage 25, 6 Frankfurt-M 1, Germany
- Kolmogorov, Andrej N.**, 1967 (1), Moscow State University, Moscow, U.S.S.R.
- Krebs, Sir Hans Adolf**, 1964 (14), Metabolic Research Laboratory, Nuffield Department of Clinical Medicine, Radcliffe Infirmary, Oxford, England
- Kubo, Ryogo**, 1974 (3), Department of Physics, University of Tokyo, Hongo Bunkyo Tokyo, Japan
- Leloir, Luis F.**, 1960 (14), Instituto de Investigaciones Bioquímicas, Obligado 2490, Buenos Aires, Argentina
- Leray, Jean**, 1965 (1), Collège de France, 11 Place Marcelin-Berthelot, Paris V, France
- Lévi-Strauss, Claude**, 1967 (11), Laboratoire d'Anthropologie Sociale, Collège de France, 11 Place Marcelin-Berthelot, Paris V, France
- Longuet-Higgins, Hugh Christopher**, 1968 (5), Centre for Research on Perception and Cognition, Laboratory of Experimental Psychology, University of Sussex, Falmer, Brighton BN1 9QY, England
- Lorenz, Konrad**, 1966 (8), Max-Planck-Institut für Verhaltensphysiologie, 8131 Seewiesen, Seewiesen über Starnberg (Obb.), Germany
- Luria, Alexander R.**, 1968 (12), Psychology Faculty, University of Moscow, 13 Frunze Street, Moscow G.19, U.S.S.R.
- Lwoff, André**, 1955 (17), Institut Pasteur, 28 Rue du Docteur Roux, 75 Paris-XV^e, France
- Lynen, Feodor**, 1962 (14), Max-Planck-Institut für Biochemie, 8033 Martinsried b., München, Germany
- McMichael, Sir John**, 1974 (17), 2 North Square, London, NW11 7AA, England
- Medawar, Sir Peter Brian**, 1965 (17), Clinical Research Centre, Watford Road, Harrow, Middlesex HA 1 3 UJ, England
- Mizushima, Sanichiro**, 1970 (5), 2-10-6, Tamagawa-Denenchofu, Setagayaku, Tokyo, Japan
- Monod, Jacques**, 1968 (14), Department of Cellular Biochemistry, Institut Pasteur, 25, Rue du Docteur Roux, Paris XV, France
- Mott, Sir Nevill Francis**, 1957 (3), University of Cambridge, Cavendish Laboratory, Madingley Road, Cambridge CB3 0HE, England

- Mottelson, Ben Roy**, 1973 (3), Nordisk Institut for Teoretisk Atomfysik, Copenhagen Ø, Denmark
- Nagata, Takesi**, 1969 (13), Office of Geophysics Research Laboratory, c/o Geophysical Institute, University of Tokyo, Tokyo, Japan
- Ne'eman, Yuval**, 1972 (3), Tel-Aviv University, Tel-Aviv, Israel
- Nicolet, Marcel**, 1972 (13), Institut d'Aeronomie Spatiale, Avenue Circulaire 3, B-1180 Brussels, Belgium
- Oort, Jan Hendrik**, 1953 (2), Observatory of Leiden, Leiden, The Netherlands
- Oudin, Jacques**, 1974 (10), Institut Pasteur, 28, rue du Docteur Roux, Paris XV^e, France
- Peierls, Sir Rudolf**, 1970 (3), Department of Theoretical Physics, University of Oxford, 12 Parks Road, Oxford OX1 3PQ, England
- Penfield, Wilder**, 1953 (10), Montreal Neurological Institute, 3801 University Street, Montreal 112, H3A 2B4, Canada
- Penney, William George, Baron**, 1962 (16), Wantage, Oxfordshire, England
- Perutz, Max Ferdinand**, 1970 (14), Laboratory of Molecular Biology, University Postgraduate Medical School, Hills Road, Cambridge CB2 2QH, England
- Piaget, Jean**, 1966 (12), Institut des Sciences de l'Éducation, Université de Genève, Palais Wilson, Geneva, Switzerland
- Pickering, Sir George**, 1970 (17), Pembroke College, Oxford OX1 1DW, England
- Porter, Sir George**, 1974 (5), The Royal Institution, 21 Albermarle Street, London W1X 4BS, England
- Porter, Rodney Robert**, 1972 (10), Department of Biochemistry, University of Oxford, South Parks Road, Oxford OX1 3QU, England
- Prelog, Vladimir**, 1961 (5), Laboratorium für organische Chemie, Eidgenössische Technische Hochschule, Zurich, Switzerland
- Prigogine, Ilya**, 1967 (5), Université Libre de Bruxelles, Avenue F.D. Roosevelt, 50, Brussels 5, Belgium
- Ramalingaswami, Vulimiri**, 1973 (15), All India Institute of Medical Sciences, Ansari Nagar, New Delhi—110016, India
- Reichstein, Tadeus**, 1952 (5), Organisch-chemische Anstalt, St. Johannis-Ring 19, Basel, Switzerland
- Robertson, Sir Rutherford Ness**, 1962 (7), Research School of Biological Sciences, Australian National University, Box 4, P.O. Canberra, A.C.T., Australia 2600
- Robinson, Sir Robert**, 1934 (5), Shell Research Ltd., Shell Centre, Downstream Building, London, S.E. 1, England
- Rosenblueth, Emilio**, 1970 (4), Instituto de Ingenieria, Ciudad Universitaria, Mexico, D.F.
- Roy, Maurice**, 1964 (4), 86, Avenue Niel, Paris XVII, France
- Ruzicka, Leopold**, 1944 (5), Department of Organic Chemistry, Institute of Technology, Zurich, Switzerland
- Sakharov, Andrei**, 1973 (3), P.N. Lebedev, Institute of Physics, Academy of Sciences of the U.S.S.R., 14 Leninsky, Prospekt, Moscow, U.S.S.R.

- Sander, Bruno Hermann Max**, 1966 (6), Mineralogisches Institut, Alte Universität, Universitätstrasse 4, 6020 Innsbruck, Austria
- Sanger, Frederick**, 1967 (14), Medical Research Council, Laboratory of Molecular Biology, University Postgraduate Medical School, Hills Road, Cambridge, England
- Semenov, Nikolai Nikolaevich**, 1963 (5), Institute of Chemical Physics, Vorobyevskoye chaussee 2, Moscow, V-133, U.S.S.R.
- Shafarevich, Igor R.**, 1974 (1), Mathematical Institute of the U.S.S.R. Academy of Sciences, Ul. Vavilova 42, Moscow H7333, U.S.S.R.
- Shklovsky, I. S.**, 1973 (2), Astrophysical Department, Institute of Space Research, Academy of Sciences of the U.S.S.R., 14 Leninsky, Prospekt, Moscow, U.S.S.R.
- Siegel, Carl Ludwig**, 1968 (1), Mathematics Institute, University of Göttingen, 34 Göttingen, Germany
- Šorm, František**, 1971 (5), Institute of Organic Chemistry and Biochemistry, Czechoslovak Academy of Science, Prague 6, Czechoslovakia
- Strömberg, Bengt**, 1971 (2), Department of Astronomy, University of Copenhagen, Copenhagen, Denmark
- Swings, Pol**, 1966 (2), Institut d'Astrophysique, Université de Liège, Cointe-Scelessin, Belgium
- Szentágothai, János**, 1972 (8), 1st Department of Anatomy, Semmelweis University Medical School, Tüzoltó utca 58, Budapest IX, Hungary
- Takhtajan, Armen Leonovich**, 1971 (7), Komarov Botanical Institute, 2 Popov Street, Leningrad 17202, U.S.S.R.
- Tamiya, Hiroshi**, 1966 (7), Shinjuku-ku, Shimo-ochiai, Tokyo, Japan 3-9-10, (161)
- Taylor, Sir Geoffrey Ingram**, 1945 (1), Trinity College, Cambridge, England
- Theorell, Axel Hugo**, 1957 (14), Nobel Institute of Medicine, Solnavagen 1, Stockholm 60, Sweden
- Tinbergen, Jan**, 1974 (19), Erasmus University, Rotterdam 3016, The Netherlands
- Tinbergen, Nikolaas**, 1974 (8), Department of Zoology, Animal Behaviour Research Group, South Parks Road, Oxford OX1 3PS, England
- Todd, of Trumpington, Alexander Robertus. Baron**, 1955 (5), University of Cambridge, University Chemical Laboratory, Lensfield Road, Cambridge, England
- Tomonaga, Sin-itiro**, 1965 (3), 3-17-12 Kyonan-cho, Musashino-city, Tokyo 180, Japan
- Wagner, Carl**, 1967 (4), Max-Planck-Institut für Physikalische Chemie, Bunsenstrasse 10, 34 Göttingen, Germany
- Waldenström, Jan Gosta**, 1969 (17), Department of Medicine, General Hospital, Malmö, Sweden
- Westergaard, Mogens Christian Wanning**, 1972 (18), 91 Abildgaardsvej, 2830 Virum, Denmark
- Wigglesworth, Sir Vincent Brian**, 1971 (8), Department of Zoology, University of Cambridge, Downing Street, Cambridge CB2 3EJ, England

Wilson, John Tuzo, 1968 (6), Department of Geophysics, Erindale College, University of Toronto 5, Canada

Yukawa, Hideki, 1949 (3), Yukawa Hall, Kyoto University, Kyoto, Japan

Number of Foreign Associates July 1, 1974: 138

SECTIONS

1—*Mathematics* (C1.I)—59 members

Jacobson, Nathan <i>Chairman</i> (1976)	Kac, Mark	Schiffer, M. M.
Ahlfors, L. V.	Kaplansky, Irving	Segal, Irving E.
Bers, Lipman	Kleene, Stephen C.	Shannon, C. E.
Bing, R. H.	Lax, Peter D.	Singer, I. M.
Birkhoff, Garrett	Levinson, Norman	Smale, S.
Blackwell, David	Lewy, Hans	Smith, Paul A.
Bochner, S.	Mackey, George W.	Spencer, D. C.
Bott, Raoul	Mac Lane, Saunders	Stein, Elias M.
Brauer, Richard	McShane, E. J.	Stone, M. H.
Browder, Felix	Milnor, J. W.	Tarski, Alfred
Calderón, A. P.	Montgomery, Deane	Tate, John T.
Chern, S. S.	Moore, R. L.	Thomas, T. Y.
Cohen, Paul J.	Morrey, C. B., Jr.	Thompson, J. G.
Doob, J. L.	Morse, Marston	Ulam, S. M.
Eilenberg, S.	Moser, J. K.	Whitehead, G. W.
Friedrichs, K. O.	Mostow, G. D.	Whitney, Hassler
Gleason, A. M.	Murnaghan, F. D.	Wilder, R. L.
Gödel, Kurt	Neyman, Jerzy	Wolfowitz, J.
Hille, Einar	Nirenberg, Louis	Zariski, O.
	Robbins, Herbert	Zygmund, Antoni

Foreign Associates

Alexandroff, P.	Hodge, Sir William	Shafarevich, Igor R.
Cartan, Henri	Kolmogorov, A.	Siegel, C. L.
Dirac, P. A. M.	Leray, Jean	Taylor, Sir Geoffrey
Gelfand, I. M.		

2—*Astronomy* (C1.I)—43 members

Spitzer, Lyman, Jr. <i>Chairman</i> (1977)	Heeschen, D. S.	Neugebauer, G.
Aller, L. H.	Herbig, George H.	Osterbrock, D. E.
Babcock, H. W.	Herget, Paul	Ostriker, J. P.
Baker, J. G.	Johnson, H. L.	Parker, E. N.
Bok, Bart J.	Kraft, R. P.	Salpeter, E. E.
Burke, B. F.	Kraushaar, W. L.	Sandage, A. R.
Chandrasekhar, S.	Leighton, R. B.	Schwarzschild, M.
Clemence, G. M.	Low, Frank J.	Shane, C. D.
Code, A. D.	Luyten, W. J.	Shapiro, J. I.
Drake, F. D.	Lynds, Roger	Thorne, Kip S.
Friedman, Herbert	Mayall, N. U.	Tousey, Richard
Giacconi, R.	Menzel, D. H.	Whipple, F. L.
Goldberg, Leo	Minkowski, R. L.	Whitford, A. E.
Greenstein, J. L.	Morgan, W. W.	Wilson, Olin C.
	Münch, Guido	

Foreign Associates

Ambartsumian, V.	Oort, Jan Hendrik	Strömgren, B.
Hoyle, Sir Fred	Shklovsky, I. S.	Swings, P.

3—*Physics (C1.I)*—123 members

Slichter, C. P.	Glaser, Donald A.	Primakoff, Henry
<i>Chairman</i> (1977)	Goldberger, M. L.	Purcell, E. M.
Alvarez, L. W.	Goldhaber, G. S.	Rabi, I. I.
Anderson, C. D.	Goldhaber, M.	Rainwater, James
Anderson, H. L.	Gordy, Walter	Ramsey, N. F.
Anderson, P. W.	Goudsmit, S. A.	Rossi, Bruno
Bacher, R. F.	Greisen, K. I.	Ruderman, M. A.
Bainbridge, K. T.	Hahn, E. L.	Sachs, R. G.
Bardeen, John	Haworth, L. J.	Schawlow, A. L.
Barschall, H. H.	Herb, R. G.	Schrieffer, J. R.
Beams, J. W.	Herring, Conyers	Schwinger, Julian
Bethe, H. A.	Herzfeld, K. F.	Segrè, E.
Birge, R. T.	Hofstadter, R.	Seitz, Frederick
Bjorken, James D.	Hopfield, J. J.	Serber, R.
Bloch, Felix	Hughes, Vernon W.	Simpson, J. A.
Bloembergen, N.	Inghram, Mark G.	Slater, J. C.
Bradbury, N. E.	Javan, Ali	Steinberger, J.
Brattain, W. H.	Kemble, E. C.	Street, J. C.
Breit, Gregory	Kerst, D. W.	Telegdi, V. L.
Brode, R. B.	Kittel, C.	Teller, Edward
Brueckner, K. A.	Kohn, Walter	Tinkham, M.
Chamberlain, Owen	Kroll, Norman M.	Townes, C. H.
Chew, Geoffrey F.	Kusch, P.	Treiman, Sam
Christy, R. F.	Lamb, W. E., Jr.	Tuve, M. A.
Cool, R. L.	Land, E. H.	Uhlenbeck, G. E.
Crane, H. R.	Lederman, L. M.	Van Vleck, J. H.
Crewe, A. V.	Lee, Tsung-Dao	Watson, K. M.
Cronin, J. W.	Livingston, M. S.	Webster, D. L.
Dennison, D. M.	Loomis, F. W.	Weinberg, Steven
Deutsch, M.	Low, Francis E.	Weisskopf, V. F.
Dicke, R. H.	Marshak, R. E.	Wentzel, Gregor
Drell, Sidney D.	Matthias, Bernd	Wheeler, J. A.
DuBridge, L. A.	McMillan, E. M.	Wick, Gian-Carlo
DuMond, J. W. M.	Morrison, P.	Wightman, A. S.
Dunning, J. R.	Morse, P. M.	Wigner, E. P.
Dyson, Freeman J.	Nambu, Yoichiro	Wilson, Robert R.
Fairbank, W. M.	Nier, A. O. C.	Wu, C. S.
Feshbach, Herman	O'Brien, Brian	Yang, Chen Ning
Fitch, V. L.	Pais, A.	Zacharias, J. R.
Fowler, W. A.	Panofsky, W. K. H.	Zachariasen, W. H.
Garwin, R. L.	Pines, David	
Gell-Mann, Murray	Pound, R. V.	

Foreign Associates

Amaldi, Edoardo	Bohr, A. N.	Heisenberg, Werner
Lord Blackett	de Broglie, Prince Louis	Herzberg, Gerhard
Bogolubov, N. N.	Gorter, C. J.	Kapitza, P. L.

Kubo, Ryogo
Mott, Sir Nevill
Mottelson, Ben R.

Ne'eman, Yuval
Peierls, Sir Rudolf
Sakharov, Andrei

Tomonaga, Sin-itiro
Yukawa, Hideki

4—*Engineering (C1.III)*—71 members

Bisplinghoff, R. L.
Chairman (1975)
Barrett, C. S.
Benedict, Manson
Bryson, A. E., Jr.
Buchsbaum, S. J.
Bueche, A. M.
Chodorow, M.
Cohen, Morris
Collins, Samuel C.
Curme, G. O., Jr.
David, E. E., Jr.
Deere, D. U.
Den Hartog, J. P.
Draper, C. S.
Duwez, Pol
Edgerton, H. E.
Emmons, H. W.
Fisk, J. B.
Fletcher, Harvey
Gilruth, R. R.
Ginzton, E. L.
Goldmark, P. C.
Gould, Roy W.

Greenewalt, C. H.
Haensel, V.
Hottel, H. C.
Housner, G. W.
Hunsaker, J. C.
Isaacs, John D.
Johnson, C. L.
Kinzel, A. B.
Kompfner, Rudolf
Lewis, W. K.
Licklider, J. C. R.
Loomis, A. L.
McLean, W. B.
Mehl, R. F.
Newmark, N. M.
Nierenberg, W. A.
Oliver, B. M.
Olson, Harry F.
Orowan, Egon
Patel, C. Kumar N.
Pearson, G. L.
Pfann, W. G.
Pickering, W. H.
Pierce, J. R.

Pigford, R. L.
Piore, E. R.
Puckett, Allen E.
Ramo, Simon
Raymond, A. E.
Schairer, G. S.
Sears, W. R.
Shapiro, A. H.
Sherwood, T. K.
Shockley, W.
Soderberg, C. R.
Sporn, Philip
Stever, H. G.
Stratton, J. A.
Suits, C. G.
Terman, F. E.
Thomas, C. A.
Weber, Ernst
Whinnery, J. R.
Wiesner, J. B.
Wolman, Abel
Wooldridge, Dean E.
Zinn, W. H.
Zworykin, V. K.

Foreign Associates

Brun, Edmond A.
Cottrell, Sir Alan
Cousteau, Jacques

Gabor, Dennis
Hawthorne, W. R.
Rosenblueth, E.

Roy, Maurice
Wagner, Carl

5—*Chemistry (C1.I)*—135 members

Breslow, Ronald
Chairman (1977)
Alberty, R. A.
Alder, B. J.
Badger, R. M.
Baker, W. O.
Baldeschwieler, J.
Bartlett, P. D.
Bender, M. L.
Bernstein, R. B.
Berson, J. A.

Bigeleisen, Jacob
Boekelheide, V.
Brewer, Leo
Brode, W. R.
Brown, H. C.
Bruce, T. C.
Büchi, George
Cairns, T. L.
Calvin, Melvin
Chapman, O. L.
Closs, G. L.

Conant, J. B.
Connick, R. E.
Corey, E. J.
Cotton, F. A.
Cram, Donald J.
Crawford, Bryce, Jr.
Cristol, S. J.
Curtin, David Y.
Dauben, W. G.
Djerassi, Carl
Doering, William

Drickamer, H. G.	Julian, Percy L.	Roberts, J. D.
Elderfield, R. C.	Karplus, Martin	Rossini, F. D.
Eliel, E. L.	Kasha, M.	Scheraga, H. A.
Emmett, P. H.	Katz, J. J.	Seaborg, G. T.
Eyring, Henry	Kauzmann, Walter	Shedlovsky, Theodore
Ferry, John D.	Kistiakowsky, G. B.	Sheehan, J. C.
Fieser, L. F.	Klemperer, William	Shull, Harrison
Fixman, Marshall	Kolthoff, I. M.	Smyth, C. P.
Flory, P. J.	Leonard, N. J.	Spedding, F. H.
Flygare, W. H.	Libby, W. F.	Stockmayer, W. H.
Folkers, Karl	Lipscomb, W. N.	Stork, Gilbert
Fried, J.	Long, Franklin A.	Streitwieser, Andrew, Jr.
Friedlander, G.	Marcus, R. A.	Tarbell, D. S.
Fuoss, R. M.	Margrave, J. L.	Taube, Henry
Fuson, R. C.	Mark, H. F.	Tishler, Max
Gates, M.	Marvel, C. S.	Turkevich, A. L.
Giauque, E. F.	Mayer, J. E.	Urey, H. C.
Gilman, Henry	McConnell, H. M.	van Tamelen, E. E.
Gray, H. B.	Meinwald, Jerrold	Wall, Frederick T.
Grunwald, E.	Mislow, Kurt	Walling, Cheves
Gutowsky, H. S.	Muetterties, E. L.	Warner, J. C.
Haagen-Smit, A. J.	Mulliken, R. S.	Waugh, J. S.
Hackerman, N.	Newman, M. S.	Weissman, S. I.
Hammes, G. G.	Noyes, W. A., Jr.	Westheimer, F. H.
Hammond, G. S.	Onsager, Lars	Wiberg, K. B.
Hawthorne, M. F.	Parr, Robert G.	Widom, Benjamin
Herschbach, Dudley	Pauling, Linus	Williams, J. W.
Hildebrand, J. H.	Pearson, R. G.	Wilson, E. Bright
Hirschfelder, J. O.	Perlman, Isadore	Witkop, Bernhard
Hoard, J. L.	Pettit, R.	Woodward, R. B.
Hoffmann, Roald	Pimentel, G. C.	Wyckoff, R. W. G.
Hornig, D. F.	Pitzer, K. S.	Yost, D. M.
Hutchison, C. A., Jr.	Rice, Oscar K.	Young, W. G.
Johnson, W. S.	Rice, Stuart A.	Zimm, B. H.
Johnston, H. S.		

Foreign Associates

Barton, D. H. R.	Longuet-Higgins, H. C.	Robinson, Sir Robert
Bell, Ronald P.	Mizushima, S.	Ruzicka, Leopold
Eigen, Manfred	Porter, Sir George	Semenov, Nikolai N.
Eschenmoser, Albert	Prelog, Vladimir	Šorm, F.
Frumkin, Alexander N.	Prigogine, I.	Lord Todd
Hodgkin, D.	Reichstein, Tadeus	

6—Geology (C1.I)—37 members

Yoder, H. S.	Anderson, C. A.	Boyd, F. R., Jr.
<i>Chairman</i> (1976)	Billings, M. P.	Brace, W. F.
Abelson, P. H.	Birch, Francis	Buerger, M. J.

Cloud, Preston
Doell, Richard R.
Dunbar, C. O.
Emery, K. O.
Engel, A. E. J.
Eugster, H. P.
Garrels, R. M.
Hedberg, H. D.
Hubbert, M. King
James, Harold L.

Krauskopf, K. B.
Langbein, W. B.
Leopold, L. B.
Lovering, T. S.
Menard, H. W.
Nolan, T. B.
Patterson, Bryan
Pettijohn, F. J.
Rodgers, John
Sharp, Robert P.

Silver, L. T.
Simpson, G. G.
Thompson, J. B., Jr.
Turner, F. J.
Tuttle, O. F.
Waters, Aaron C.
Wells, John W.
White, Donald E.
Williams, Howel

Foreign Associates

Gansser, A.
Geijer, Per

Goguel, Jean
Harrison, J. M.

Sander, Bruno
Wilson, J. T.

7—Botany (C1.II)—40 members

Bogorad, Lawrence
Chairman (1977)
Arnold, William A.
Barghoorn, E. S.
Beevers, Harry
Benson, A. A.
Blinks, L. R.
Bold, Harold G.
Bonner, James
Bonner, J. T.
Braun, A. C.
Briggs, W. R.
Burris, R. H.
Couch, J. N.

Emerson, Ralph
Esau, Katherine
Evans, Harold J.
Fred, E. B.
French, C. S.
Gibbs, Martin
Goddard, D. R.
Granick, Sam
Grant, Verne
Hendricks, S. B.
Kok, Bessel
Kramer, Paul J.
Lang, Anton
Leopold, E. B.

Patrick, Ruth
Raper, K. B.
Riker, A. J.
Robbins, W. J.
Rollins, R. C.
Skoog, Folke
Smith, A. C.
Srb, Adrian M.
Stebbins, G. L.
Thimann, K. V.
Van Niel, C. B.
Went, F. W.
Wilson, P. W.

Foreign Associates

Bunning, Erwin
Frey-Wyssling, A.

Gustafsson, Åke
Robertson, R. N.

Takhtajan, A.
Tamiya, H.

8—Zoology (C1.II)—56 members

Bullock, T. H.
Chairman (1976)
Alexander, R. D.
Bern, Howard A.
Bodenstein, D. H.
Bodian, David
Briggs, Robert
Brown, Donald D.
Burns, R. K.

Colbert, E. H.
Darlington, P. J., Jr.
Dethier, V. G.
Dobzhansky, Th.
Ebert, James D.
Edmondson, W. T.
Eisner, Thomas
Emerson, A. E.
Fawcett, D. W.

Flexner, Louis B.
Fraenkel, G. S.
Friedmann, Herbert
Gall, J. G.
Griffin, D. R.
Grobstein, Clifford
Hamburger, Viktor
Hasler, Arthur D.
Holtfreter, J.

Hubbs, C. L.
Hutchinson, G. E.
Kennedy, Donald
Lerner, I. M.
Levi-Montalcini, R.
Markert, C. L.
Marler, Peter
Mayr, Ernst
Mazia, Daniel
Michener, C. D.

Moore, J. A.
Palade, G. E.
Pittendrigh, C. S.
Porter, Keith R.
Prescott, D. M.
Prosser, C. L.
Ripley, S. D.
Ris, Hans
Roeder, Kenneth D.
Scharrer, Berta

Schmidt-Nielsen, K.
Schmitt, F. O.
Scholander, P. F.
Straus, W. L., Jr.
Swift, H. H.
Weiss, Paul
Wetmore, Alexander
Williams, C. M.
Wilson, Edward O.
Zirkle, R. E.

Foreign Associates

Baltzer, Fritz
Brachet, Jean
von Frisch, Karl

Hadorn, Ernst
Lorenz, Konrad
Szentágothai, János

Tinbergen, J.
Wigglesworth, Sir V. B.

9—*Physiology* (C1.II)—33 members

Rahn, Hermann
Chairman (1977)
Bard, Philip
Beidler, Lloyd M.
Berliner, R. W.
Brink, Frank, Jr.
Brodie, B. B.
Bronk, Detlev W.
Cole, K. S.
Comroe, Julius H., Jr.
Davenport, H. W.
Davis, Hallowell

Forster, Robert E.
Gilman, Alfred
Goodman, L. S.
Hardy, J. D.
Hartline, H. K.
Hubel, D. H.
Ingle, D. J.
Kandel, E. R.
Kety, S. S.
Koelle, G. B.
Kramer, Otto

Kuffler, S. W.
Landis, E. M.
Larrabee, Martin G.
Lorente de Nó, R.
Magoun, H. W.
Mountcastle, V. B.
Pappenheimer, J. R.
Pitts, R. F.
Rose, J. E.
Visscher, M. B.
Woolsey, C. N.

Foreign Associates

Lord Adrian
Best, C. H.
Eccles, Sir John

von Euler, U.S.
Granit, Ragnar

Hill, A. V.
Hodgkin, Sir Alan

10—*Microbiology* (C1.II)—25 members

Davis, Bernard D.
Chairman (1975)
Adelberg, E. A.
Benacerraf, B.
Coons, Albert H.
Darnell, J. E., Jr.
Dulbecco, Renato
Eagle, Harry
Eisen, Herman N.

Enders, J. F.
Gajdusek, D. C.
Geiduschek, E. P.
Goebel, W. F.
Habel, Karl
Heidelberger, Michael
Hirst, George K.
Hotchkiss, R. D.
Lancefield, R.

Levinthal, C.
Luria, S. E.
Magasanik, Boris
Pappenheimer, A. M., Jr.
Temin, Howard M.
Trager, William
Whipple, G. H.
Zinder, Norton D.

Foreign Associates

Burnet, Sir Macfarlane
Jacob, Francois

Oudin, Jacques
Penfield, Wilder

Porter, Rodney R.

11—Anthropology (C1.V)—28 members

Stewart, T. D.
Chairman (1975)

Adams, R. M.
Braidwood, Robert J.
Chomsky, Noam
Coon, C. S.
Eggan, Fred
Geertz, Clifford
Goodenough, W. H.
Greenberg, J. H.

Griffin, J. B.
Hallowell, A. Irving
Haury, E. W.
Heizer, R. F.
Hockett, Charles F.
Howell, F. C.
Howells, W. W.
Hulse, F. S.
Krogman, W. M.
Lounsbury, Floyd G.

MacNeish, Richard S.
Movius, H. L., Jr.
Murdock, G. P.
Rouse, Irving
Shapiro, H. L.
Spoehr, Alexander
Wallace, A. F. C.
Washburn, S. L.
Wedel, W. R.
Willey, G. R.

Foreign Associates

Clark, J. G. D.

von Koenigswald, G.H.R.

Lévi-Strauss, Claude

12—Psychology (C1.V)—39 members

Underwood, B. J.
Chairman (1977)

Atkinson, R. C.
Beach, F. A.
Bower, Gordon H.
Brown, Roger
Estes, W. K.
Festinger, Leon
Galambos, R.
Garner, W. R.
Gibson, E. J.
Gibson, J. J.
Guilford, J. P.
Harlow, H. F.

Held, R. M.
Hilgard, E. R.
Klüver, Heinrich
Lindsley, D. B.
Luce, R. D.
Melton, Arthur W.
Miles, W. R.
Miller, George A.
Miller, N. E.
Nauta, Walle J. H.
Neff, William D.
Newell, Allen
Olds, James

Pfaffmann, C.
Postman, Leo J.
Ratliff, Floyd
Richter, C. P.
Riggs, Lorrin A.
Roberts, R. B.
Skinner, B. F.
Solomon, R. L.
Sperry, R. W.
Stellar, Eliot
Teitelbaum, Philip
Teuber, H. L.
Wever, E. G.

Foreign Associates

Broadbent, D. E.

Luria, A. R.

Piaget, J.

13—Geophysics (C1.I)—40 members

Chamberlain, J. W.
Chairman (1975)
Anders, Edward

Arnold, James R.
Bjerknes, J.
Booker, H. G.

Brown, Harrison
Byerly, Perry
Byers, H. R.

Charney, Jule G.
Cox, Allan
Elsasser, W. M.
Forbush, Scott E.
Gilbert, Freeman
Gold, Thomas
Goldreich, Peter
Goody, R.
Griggs, D. T.
Haurwitz, B.
Helliwell, R. A.

Knopoff, Leon
MacDonald, G. J. F.
Malkus, Willem
Malone, T. F.
Munk, W. H.
Ney, E. P.
Pekeris, C. L.
Press, Frank
Reichelderfer, F. W.
Revelle, Roger
Reynolds, J. H.

Slichter, L. B.
Stommel, Henry
Suess, H. E.
Van Allen, J. A.
Verhoogen, John
Villard, O. G., Jr.
Walker, Robert M.
Wasserburg, G. J.
Wetherill, G. W.
Wulf, O. R.

Foreign Associates

Alfvén, Hannes
Bullard, Sir Edward
Bullen, Keith Edward

Jeffreys, Sir Harold
Keilis-Borok, V. I.

Nagata, Takesi
Nicolet, Marcel

14—*Biochemistry*—(C1.II)—107 members

Smith, Emil L.
Chairman (1975)
Ames, B. N.
Anfinsen, C. B.
Arnon, D. I.
Axelrod, J.
Ball, E. G.
Barker, H. A.
Berg, Paul
Bloch, K. E.
Blout, E. R.
Boyer, P. D.
Buchanan, John M.
Carter, H. E.
Chance, Britton
Chargaff, Erwin
Cohen, P. P.
Cohen, S. S.
Cohn, M.
Colowick, S. P.
Cori, Carl F.
Craig, L. C.
Davidson, N.
Doisy, E. A.
Doty, Paul
Doudoroff, Michael
du Vigneaud, V.
Edelman, Gerald M.
Edsall, J. T.

Fischer, E. H.
Fraenkel-Conrat, H.
Fruton, J. S.
Green, David E.
Gunsalus, I. C.
Handler, Philip
Heppel, L. A.
Hill, T. L.
Hofmann, Klaus
Holley, R. W.
Horecker, B. L.
Hurwitz, J.
Jencks, W. P.
Kabat, E. A.
Kalckar, H. M.
Kamen, Martin D.
Kaplan, Nathan
Kennedy, E. P.
Khorana, H. G.
King, C. G.
Klotz, Irving
Kornberg, A.
Koshland, D. E., Jr.
Krebs, E. G.
Lardy, Henry
Lehninger, A. L.
Li, Choh Hao
Link, K. P.
Lipmann, Fritz

Lowry, Oliver H.
McElroy, W. D.
Meister, Alton
Merrifield, Bruce
Meselson, M. S.
Meyer, Karl
Miller, S. L.
Moore, Stanford
Nachmansohn, David
Neurath, Hans
Nirenberg, M. W.
Northrop, J. H.
Ochoa, Severo
Oncley, J. L.
Pardee, A. B.
Phillips, W. D.
Racker, Efraim
Ratner, Sarah
Reed, Lester J.
Rich, Alexander
Richards, F. M.
Rose, W. C.
Roseman, Saul
Schachman, H. K.
Shemin, David
Shulman, Robert G.
Singer, S. J.
Sinsheimer, R. L.
Snell, E. E.

Stadtman, E. R.
 Stein, W. H.
 Strominger, J. L.
 Sturtevant, J. M.
 Szent-Györgyi, A.
 Tanford, Charles
 Tatum, E. L.

Udenfriend, S.
 Utter, M. F.
 Vagelos, P. Roy
 Vallee, Bert L.
 Vickery, H. B.
 Vinograd, J.
 Wald, George

Watson, J. D.
 White, Abraham
 Williams, R. C.
 Williams, R. J.
 Wood, H. G.
 Wyman, Jeffries
 Zamecnik, P. C.

Foreign Associates

Bergström, Sune
 Braunstein, A. E.
 Crick, Francis
 Englehardt, W. A.
 Hayaishi, Osamu

Katchalski, Ephraim
 Kendrew, John C.
 Krebs, Sir Hans S.
 Leloir, Luis F.
 Lynen, Feodor

Monod, Jacques
 Perutz, M. F.
 Sanger, F.
 Theorell, Hugo

15—Applied Biology (C1.III)—30 members

Sprague, G. F.
Chairman (1975)
 Borlaug, Norman E.
 Bormann, F. H.
 Brakke, Myron K.
 Cain, Stanley
 Cockerham, C. C.
 Cowling, E. B.
 Darby, W. J.
 Harlan, J. R.
 Harrar, J. G.

Hegsted, D. M.
 Hepting, George H.
 Horsfall, J. G.
 Knipling, E. F.
 Leopold, A. S.
 Lush, Jay L.
 Mangelsdorf, P. C.
 Metcalf, R. L.
 Munro, H. N.
 Nelson, O. E., Jr.

Odum, Eugene P.
 Rick, Charles M.
 Salisbury, G. W.
 Schultes, R. E.
 Scrimshaw, N. S.
 Sears, Ernest R.
 Stakman, E. C.
 Stephens, S. G.
 Wadleigh, C. H.
 Walker, J. C.

Foreign Associates

Glen, Robert

Ramalingaswami, V.

16—Applied Physical and Mathematical Sciences (C1.III)—47 members

Carrier, G. F.
Chairman (1976)
 Astin, A. V.
 Backus, G. E.
 Backus, John
 Bode, Hendrik W.
 Branscomb, L. M.
 Brooks, Harvey
 Budiansky, B.
 Cahn, John W.
 Chipman, John
 Clogston, A. M.
 Cochran, W. G.

Dantzig, G. B.
 Darken, L. S.
 Duffin, R. J.
 Geballe, T. H.
 Giaever, Ivar
 Goldstine, H. H.
 Gomory, R. E.
 Gordon, W. E.
 Grad, Harold
 Harris, Zellig S.
 John, Fritz
 Kantrowitz, A.
 Kaplan, Joseph

Karlin, Samuel
 Keller, J. B.
 Lax, Benjamin
 Liepmann, H. W.
 Lin, C. C.
 Macdonald, J. Ross
 Mindlin, R. D.
 Minsky, Marvin
 Montroll, Elliott W.
 Mosteller, Frederick
 Prager, W.
 Prausnitz, J. M.
 Rosenbluth, M. N.

Smith, C. S.
Stoker, J. J.
Thomas, L. H.

Tukey, John W.
Turnbull, David
Weaver, Warren

Weinberg, A. M.
Zener, Clarence
Zwanzig, Robert

Foreign Associates

Aigrain, Pierre R.

Casimir, H. B. G.

Lord Penney

17—*Medical Sciences* (C1.IV)—71 members

Jacobson, Leon O.
Chairman (1977)
Ahrens, E. H., Jr.
Astwood, E. B.
Austen, K. Frank
Baltimore, David
Bearn, A. G.
Beeson, Paul B.
Braunwald, Eugene
Brinkhous, K. M.
Cannon, P. R.
Castle, W. B.
Chanock, R. M.
Clements, John A.
Conn, J. W.
Cotzias, G. C.
Cournand, André
Dalldorf, Gilbert
Dixon, F. J.
Dole, V. P.
Dorfman, Albert
Dragstedt, L. R.
Edelman, Isidore S.
Finch, Clement A.

Finland, Maxwell
Fredrickson, D. S.
Furth, Jacob
Goldblatt, Harry
Good, Robert A.
Gross, Jerome
Gross, Ludwik
Guillemin, Roger
Hastings, A. Baird
Hertz, Roy
Hirsch, J. G.
Huebner, R. J.
Huggins, C. B.
Isselbacher, K. J.
Jensen, Elwood V.
Kaplan, H. S.
Kunkel, H. G.
Lawrence, H. S.
Leaf, Alexander
Lerner, AARON B.
Levine, Philip
London, I. M.
Marks, Paul A.
McCarty, Maclyn

McDermott, Walsh
McKusick, V. A.
Miller, C. P.
Müller-Eberhard, H. J.
Novikoff, Alex B.
Page, I. H.
Rammelkamp, C. H.
Ranney, Helen M.
Robbins, F. C.
Sabin, A. B.
Schmid, Rudi
Schmidt, C. F.
Seegmiller, J. E.
Shannon, J. A.
Spiegelman, Sol
Stetten, DeWitt, Jr.
Taussig, Helen B.
Thomas, Lewis
Wangensteen, O. H.
Warren, Shields
Watson, C. J.
Weller, Thomas H.
Wintrobe, M. M.
Wyngaarden, James B.

Foreign Associates

Andrewes, C. H.
Klein, George
Lwoff, André

McMichael, Sir John
Medawar, Sir Peter

Pickering, Sir George
Waldenström, Jan G.

18—*Genetics* (C1.II)—42 members

Roman, H. L.
Chairman (1977)
Allard, R. W.
Anderson, T. F.
Beadle, G. W.
Benzer, Seymour

Brink, R. A.
Britten, R. J.
Campbell, A. M.
Crow, James F.
Delbrück, Max
Emerson, Sterling

Garen, A.
Giles, N. H.
Glass, H. Bentley
Gorini, L.
Haskins, C. P.
Hershey, A. D.

Hollaender, A.
 Horowitz, Norman H.
 Irwin, M. R.
 Kaiser, A. D.
 Kaufmann, B. P.
 Lederberg, Joshua
 Lewis, Edward B.
 Lindsley, D. L.
 McClintock, Barbara

Metz, C. W.
 Mintz, Beatrice
 Neel, J. V.
 Owen, R. D.
 Puck, Theodore T.
 Rhoades, M. M.
 Russell, E. S.
 Russell, W. L.

Setlow, Richard B.
 Smithies, O.
 Snell, George D.
 Sonneborn, T. M.
 Stern, Curt
 Wood, W. B.
 Wright, Sewall
 Yanofsky, Charles

Foreign Associates

Auerbach, Charlotte
 Catcheside, D. G.
 Dubinin, N. P.

Ephrussi, Boris
 Kihara, Hitoshi

Kimura, Motoo
 Westergaard, Mogens

19—*Social, Economic, and Political Sciences* (C1.V)—38 members

Samuelson, P. A.
Chairman (1976)
 Arrow, K. J.
 Aydelotte, W. O.
 Campbell, D. T.
 Coale, Ansley J.
 Coleman, J. S.
 Converse, P. E.
 Cronbach, Lee J.
 Dahl, R. A.
 Davis, Kingsley
 Duncan, O. D.
 Fogel, R. W.

Freedman, Ronald
 Friedman, Milton
 Goodman, Leo A.
 Homans, G. C.
 Houthakker, H. S.
 Hurwicz, Leonid
 Klein, L. R.
 Koopmans, T. C.
 Kuznets, Simon
 Lasswell, H. D.
 Lazarsfeld, P. F.
 Leontief, W.
 Lerner, Abba P.

Lipset, S. M.
 March, J. G.
 Marschak, Jacob
 Merton, R. K.
 Modigliani, Franco
 Newcomb, T. M.
 Osgood, C. E.
 Riker, W. H.
 Schultz, T. W.
 Simon, H. A.
 Solow, R. M.
 Tobin, James
 White, Gilbert F.

Foreign Associates

Glass, David V.

Tinbergen, Jan

GEOGRAPHICAL LISTING OF ACADEMY MEMBERS

Alabama

Coggeshall, L. T.

Arizona

Bok, Bart J.
 Brodie, B. B.
 Carter, H. E.
 Colbert, E. H.
 Duncan, O. D.
 Goldberg, Leo
 Haury, Emil W.
 Hulse, F. S.
 Krayner, O.
 Lamb, W. E., Jr.
 Low, Frank J.
 Lynds, Roger
 Marvel, C. S.
 Mayall, N. U.
 Northrop, J. H.
 Riker, A. J.
 Sears, W. R.
 Simpson, G. G.
 Tuttle, O. F.
 Walker, J. C.
 Wyckoff, R. W. G.

California

Alder, B. J.
 Allard, R. W.
 Aller, L. H.
 Alvarez, L. W.
 Ames, B. N.
 Anderson, C. A.
 Anderson, C. D.
 Arnold, J. R.
 Arnon, D. I.
 Atkinson, R. C.
 Babcock, H. W.
 Bacher, R. F.
 Backus, George E.
 Backus, John
 Badger, R. M.
 Baldeschwieler, J. D.

Barker, H. A.
 Beach, F. A.
 Beevers, Harry
 Benson, Andrew A.
 Benzer, Seymour
 Berg, Paul
 Bern, H. A.
 Birge, R. T.
 Bjerknes, J.
 Bjorken, James D.
 Blackwell, David
 Bleakney, Walker
 Blinks, L. R.
 Bloch, Felix
 Bonner, James
 Booker, H. G.
 Bower, Gordon H.
 Boyer, P. D.
 Bramlette, M. N.
 Brewer, Leo
 Briggs, W. R.
 Britten, R. J.
 Brode, R. B.
 Brown, Harrison
 Brueckner, K. A.
 Bruice, T. C.
 Bryson, A. E., Jr.
 Bullock, T. H.
 Byerly, Perry
 Byers, H. G.
 Cain, S. A.
 Calvin, Melvin
 Campbell, A. M.
 Chamberlain, Owen
 Chen, Shiing-shen
 Chew, G. F.
 Chodorow, M.
 Christy, R. F.
 Clements, J. A.
 Cloud, P.
 Cohen, Paul J.
 Comroe, Julius H., Jr.
 Connick, R. E.
 Cox, Allan
 Cram, Donald J.
 Cronbach, L. J.
 Dantzig, G. B.

Dauben, W. G.
 Davidson, N.
 Davis, Kingsley
 Delbrück, Max
 Dixon, F. J.
 Djerassi, Carl
 Dobzhansky, Th.
 Doell, Richard R.
 Doudoroff, Michael
 Drell, Sidney D.
 DuBridge, L. A.
 DuMond, J. W. M.
 Duwez, Pol
 Edelman, I. S.
 Emerson, Ralph
 Emerson, Sterling
 Engel, A. E. J.
 Esau, Katherine
 Fairbank, W. M.
 Flory, Paul J.
 Fowler, W. A.
 Fraenkel-Conrat, H.
 French, C. Stacy
 Friedmann, Herbert
 Galambos, R.
 Geballe, T. H.
 Geiduschek, E. P.
 Gell-Mann, Murray
 Giauque, W. F.
 Gilbert, Freeman
 Ginzton, E. L.
 Glaser, D. A.
 Goldreich, Peter
 Gould, R. W.
 Gray, H. B.
 Greenberg, J. H.
 Greenstein, J. L.
 Griggs, D. T.
 Grobstein, Clifford
 Guilford, J. P.
 Guillemin, Roger
 Haagen-Smit, A. J.
 Habel, Karl
 Hahn, E. L.
 Hammond, G. S.
 Hastings, A. Baird
 Hawthorne, M. F.

- Heizer, R. F.
 Helliwell, R. A.
 Herbig, G. H.
 Hildebrand, J. H.
 Hilgard, E. R.
 Hille, Einar
 Hofstadter, R.
 Holley, R. W.
 Horowitz, Norman H.
 Housner, G. W.
 Howell, F. C.
 Hubbs, C. L.
 Isaacs, J. D.
 Johnson, C. L.
 Johnson, W. S.
 Johnston, H. S.
 Kaiser, A. D.
 Kamen, M. D.
 Kaplan, H. S.
 Kaplan, Joseph
 Kaplan, Nathan
 Karlin, Samuel
 Kennedy, Donald
 Kinzel, A. B.
 Kittel, C.
 Knopoff, Leon
 Kohn, Walter
 Kompfner, R.
 Kornberg, A.
 Koshland, D. E., Jr.
 Kraft, R. P.
 Krauskopf, K. B.
 Krebs, Edwin G.
 Kroll, Norman M.
 Lederberg, J.
 Leighton, R. B.
 Leopold, A. S.
 Leopold, L. B.
 Lerner, I. M.
 Lewis, E. B.
 Lewy, Hans
 Li, Choh Hao
 Libby, W. F.
 Liepmann, H. W.
 Lindsley, D. B.
 Lindsley, D. L.
 Longwell, C. R.
 Lorento de N6, R.
 Luce, R. D.
 Magoun, H. W.
 March, J. G.
 Marschak, Jacob
 Matthias, Bernd
 Mayer, J. E.
 Mazia, Daniel
 McConnell, H. M.
 McElroy, W. D.
 McLean, William B.
 McMillan, E. M.
 Menard, H. W.
 Miller, S. L.
 Minkowski, R. L.
 Moore, J. A.
 Morrey, C. B., Jr.
 Müller-Eberhard, H. J.
 Münch, Guido
 Munk, W. H.
 Neugebauer, G.
 Neyman, Jerzy
 Nierenberg, W. A.
 Olds, James
 Oliver, B. M.
 Osterbrock, D. E.
 Owen, R. D.
 Panofsky, W. K. H.
 Pauling, Linus
 Pearson, G. L.
 Pickering, W. H.
 Pierce, J. R.
 Pigford, R. L.
 Pimentel, G. C.
 Pittendrigh, C. S.
 Pitzer, K. S.
 Postman, Leo J.
 Prausnitz, J. M.
 Puckett, Allen E.
 Ramo, Simon
 Ranney, Helen M.
 Raymond, A. E.
 Reynolds, J. H.
 Rick, Charles M.
 Roberts, John D.
 Sandage, A. R.
 Schachman, H. K.
 Schawlow, A. L.
 Schiffer, M. M.
 Schmid, Rudi
 Scholander, P. F.
 Schwinger, Julian
 Seaborg, G. T.
 Seegmiller, J. E.
 Segrè, Emilio
 Shane, C. D.
 Sharp, R. P.
 Sherwood, T. K.
 Shockley, W.
 Silver, L. T.
 Singer, S. J.
 Sinsheimer, R. L.
 Slichter, L. B.
 Smale, S.
 Smith, E. L.
 Snell, E. E.
 Sperry, R. W.
 Stebbins, G. L.
 Stern, Curt
 Streitwieser, A., Jr.
 Suess, H. E.
 Tarski, Alfred
 Taube, Henry
 Teller, Edward
 Terman, F. E.
 Thimann, K. V.
 Thomas, T. Y.
 Thorne, Kip S.
 Townes, C. H.
 Turner, F. J.
 Urey, H. C.
 Van Niel, C. B.
 van Tamelen, E. E.
 Verhoogen, John
 Villard, O. G., Jr.
 Vinograd, Jerome
 Washburn, S. L.
 Wasserburg, G. J.
 Waters, A. C.
 Watson, K. M.
 Webster, D. L.
 Wetherill, G. W.
 Whinnery, J. R.
 White, Abraham
 White, Donald E.
 Whitford, A. E.
 Wilder, R. L.
 Williams, Howel
 Williams, R. C.
 Wilson, Olin C.
 Wood, W. B.
 Wooldridge, Dean E.
 Wulf, O. R.

Yanofsky, Charles
Yost, D. M.
Young, W. G.
Zimm, B. H.

Colorado

Barrett, C. S.
Cohen, S. S.
Cristol, S. J.
Gilluly, James
Haurwitz, B.
Leopold, E. B.
Lovering, T. S.
Porter, K. R.
Prescott, D. M.
Puck, T. T.
Ulam, S. M.
White, Gilbert F.

Connecticut

Adelberg, E. A.
Berliner, Robert W.
Berson, J.
Bormann, F. H.
Buerger, M. J.
Clemence, G. M.
Dahl, R. A.
Fixman, Marshall
Fruton, J. S.
Fuoss, R. M.
*Gabor, Dennis
Gall, J. G.
Garen, A.
Garner, W. R.
Gilman, Alfred
Goldmark, P. C.
Hardy, J. D.
Horsfall, J. G.
Hughes, Vernon W.
Hutchinson, G. E.
Jacobson, Nathan
Koopmans, T. C.
Lasswell, H. D.
Lerner, A. B.

Lounsbury, Floyd G.
Markert, C. L.
Mostow, G. D.
O'Brien, Brian
Palade, G. E.
Richards, F. M.
Rodgers, John
Rouse, Irving
Sturtevant, J. M.
Tishler, Max
Tobin, James
Vickery, H. B.
Weaver, Warren
Wiberg, K. B.

Delaware

Cairns, T. L.
Greenewalt, C. H.
Phillips, W. D.

District of Columbia

Abelson, P. H.
Astin, A. V.
Bisplinghoff, R. L.
Boyd, F. R., Jr.
Brode, W. R.
Forbush, S. E.
Fredrickson, D. S.
Friedman, Herbert
Handler, Philip
Haskins, C. P.
Hertz, Roy
Herzfeld, K. F.
Hubbert, M. K.
Langbein, W. B.
Miles, W. R.
Nolan, T. B.
Reichelderfer, F. W.
Ripley, S. Dillon
Roberts, R. B.
Sabin, Albert B.
Stever, H. G.
Stewart, T. D.
Tousey, R.
Wedel, W. R.
Weinberg, Alvin M.
Wetmore, Alexander

Woodring, W. P.
Yoder, H. S., Jr.

Florida

Beidler, Lloyd M.
Deere, D. U.
Dragstedt, L. R.
Dunbar, C. O.
Kasha, M.
Onsager, Lars
Pitts, R. F.
Schmidt, C. F.
Slater, J. C.
Zinn, W. H.

Georgia

Giles, N. H.
Odum, Eugene P.

Illinois

Adams, R. M.
Anders, Edward
Anderson, H. L.
Bardeen, John
Beadle, G. W.
Bender, M. L.
Braidwood, R. J.
Browder, Felix
Campbell, D. T.
Cannon, Paul
Chandrasekhar, S.
Closs, G. L.
Coleman, J. S.
Crewe, A. V.
Cronin, J. W.
Curtin, David Y.
David, E. E., Jr.
Doob, J. L.
Dorfman, Albert
Drickamer, H. G.
Eggan, Fred
Flygare, W. H.
Fogel, R. W.
Fraenkel, G. S.

* Foreign Associate

Fried, J.
 Friedman, Milton
 Garrels, R. M.
 Goodman, Leo A.
 Gunsalus, I. C.
 Gutowsky, H. S.
 Haensel, V.
 Harlan, J. R.
 Huggins, Charles
 Hutchison, C. A., Jr.
 Inghram, M. G.
 Jacobson, L. O.
 Jensen, Elwood V.
 Julian, Percy L.
 Kaplansky, I.
 Katz, J. J.
 Klotz, Irving
 Klüver, Heinrich
 Leonard, N. J.
 Loomis, F. W.
 Mac Lane, Saunders
 Marcus, R. A.
 Metcalf, R. L.
 Miller, C. P.
 Mulliken, R. S.
 Nambu, Yoichiro
 Newmark, N. M.
 Osgood, C. E.
 Parker, E. N.
 Pearson, Ralph G.
 Pines, David
 Prosser, C. Ladd
 Rice, S. A.
 Rose, W. C.
 Sachs, R. G.
 Salisbury, G. W.
 Schultz, T. W.
 Shemin, David
 Simpson, J. A.
 Slichter, C. P.
 Sprague, G. F.
 Swift, H. H.
 Teitelbaum, Philip
 Telegdi, V. L.
 Turkevich, A. L.
 Underwood, B. J.
 Wilson, R. R.
 Wolfowitz, J.
 Zirkle, R. E.
 Zygmund, Antoni

Indiana

Briggs, Robert
 Brown, H. C.
 Malone, T. F.
 Neff, W. D.
 Rhoades, M. M.
 Shull, Harrison
 Sonneborn, T. M.

Iowa

Aydelotte, W. O.
 Chapman, O. L.
 Gilman, Henry
 Lush, Jay L.
 Spedding, F. H.
 Van Allen, J. A.

Kansas

Michener, C. D.

Maine

Bradley, W. H.
 Russell, E. S.
 Snell, George D.

Maryland

Anfinsen, C. B.
 Axelrod, J.
 Bard, Philip
 Bodian, David
 Brown, D. D.
 Chanock, R. M.
 Cole, K. S.
 Collins, S. C.
 Dalldorf, G.
 Ebert, James D.
 Elsasser, W. M.
 Eugster, H. P.
 Gajdusek, D. C.
 Hendricks, S. B.
 Hill, T. L.

Huebner, R. J.
 Kok, Bessel
 Larrabee, Martin G.
 Lehninger, A. L.
 McKusick, V. A.
 Mountcastle, V. B.
 Murnaghan, F. D.
 Nirenberg, M. W.
 Parr, R. G.
 Pettijohn, F. J.
 Richter, C. P.
 Roseman, Saul
 Stadtman, E. R.
 Stetten, DeWitt, Jr.
 Straus, W. L., Jr.
 Taussig, Helen B.
 Tuve, M. A.
 Wadleigh, C. H.
 Witkop, Bernhard
 Wolman, Abel
 Zwanzig, Robert

Massachusetts

Ahlfors, L. V.
 Alberty, R. A.
 Arrow, K. J.
 Austen, K. F.
 Bainbridge, K. T.
 Baker, J. G.
 Ball, E. G.
 Baltimore, David
 Barghoorn, E. S.
 Benacerraf, B.
 Benedict, Manson
 Billings, M. P.
 Birch, Francis
 Birkhoff, Garrett
 Bloch, K. E.
 Bloembergen, N.
 Blout, E. R.
 Bode, H. W.
 Bogorad, L.
 Bott, Raoul
 Brace, W. F.
 Brauer, R.
 Braunwald, Eugene
 Brooks, Harvey
 Brown, Roger

- Buchanan, J. M.
 Büchi, George
 Budiansky, B.
 Burke, B. F.
 Cahn, J. W.
 Calderón, A. P.
 Carrier, G. F.
 Castle, W. B.
 Charney, Jule G.
 Chipman, John
 Chomsky, Noam
 Cochran, W. G.
 Cohen, Morris
 Coon, C. S.
 Coons, A. H.
 Corey, E. J.
 Cori, Carl F.
 Darlington, P. J., Jr.
 Davis, Bernard D.
 Den Hartog, J. P.
 Deutsch, M.
 Doering, William
 Doty, Paul
 Draper, C. S.
 Edgerton, H. E.
 Edsall, J. T.
 Eisen, Herman
 Emery, K. O.
 Emmons, H. W.
 Enders, J. F.
 Fawcett, D. W.
 Feshbach, Herman
 Fieser, L. F.
 Finland, Maxwell
 Giacconi, R.
 Gibbs, Martin
 Gleason, A. M.
 Goody, R. A.
 Gorini, L.
 Gross, Jerome
 Grunwald, E.
 Hegsted, D. M.
 Held, Richard M.
 Herschbach, Dudley
 Homans, G. C.
 Hottel, H. C.
 Houthakker, H. S.
 Howells, W. W.
 Hubel, D. H.
 Hunsaker, J. C.
 Isselbacher, K. J.
 Javan, Ali
 Jencks, W. P.
 Kalckar, H. M.
 Kantrowitz, A.
 Karplus, Martin
 Kemble, E. C.
 Kennedy, E. P.
 Kety, S. S.
 Keyes, F. G.
 Khorana, H. G.
 Kistiakowsky, G. B.
 Klemperer, William
 Kuffler, S. W.
 Kuznets, Simon
 Land, E. H.
 Lax, Benjamin
 Leaf, Alexander
 Leontief, Wassily
 Levinson, Norman
 Lewis, W. K.
 Lin, C. C.
 Lipscomb, W. N.
 Lipset, S. M.
 London, I. M.
 Low, Francis E.
 Luria, S. E.
 Mackey, G. W.
 MacNeish, R. S.
 Magasanik, Boris
 Malkus, Willem
 Mayr, Ernst
 Menzel, D. H.
 Meselson, M. S.
 Metz, C. W.
 Minsky, Marvin
 Modigliani, F.
 Morrison, P.
 Morse, P. M.
 Mosteller, Frederick
 Movius, H. L., Jr.
 Munro, H. N.
 Nauta, Walle J. H.
 Orowan, Egon
 Pappenheimer, A. M., Jr.
 Pappenheimer, J. R.
 Patterson, Bryan
 Pound, R. V.
 Press, Frank
 Purcell, E. M.
 Ramsey, Norman
 Redfield, A. C.
 Revelle, Roger
 Rich, Alexander
 Roeder, K. D.
 Rollins, R. C.
 Rossi, B. B.
 Samuelson, P. A.
 Schmitt, F. O.
 Schultes, R. E.
 Scrimshaw, N. S.
 Segal, I. E.
 Shannon, C. E.
 Shapiro, A. H.
 Shapiro, I. I.
 Sheehan, J. C.
 Singer, I. M.
 Skinner, B. F.
 Smith, A. C.
 Smith, C. S.
 Soderberg, C. R.
 Solow, R. M.
 Stommel, Henry
 Stone, M. H.
 Stratton, J. A.
 Street, J. C.
 Strominger, J. L.
 Szent-Györgyi, A.
 Tate, John T.
 Teuber, H. L.
 Thompson, J. B., Jr.
 Tinkham, M.
 Turnbull, David
 Vallee, Bert L.
 Van Vleck, J. H.
 Wald, George
 Warren, Shields
 Waugh, J. S.
 Weinberg, Steven
 Weisskopf, V. F.
 Weller, Thomas H.
 Westheimer, F. H.
 Wetmore, R. H.
 Whipple, F. L.
 Whitehead, G. W.
 Wiesner, J. B.
 Willey, G. R.
 Williams, C. M.
 Wilson, E. Bright
 Wilson, Edward O.

Woodward, R. B.
Zacharias, J. R.
Zamecnik, P. C.
Zariski, Oscar

Michigan

Alexander, Richard D.
Conn, J. W.
Converse, P. E.
Crane, H. R.
Davenport, H. W.
Dennison, D. M.
Elderfield, R. C.
Freedman, Ronald
Griffin, J. B.
Ingle, D. J.
Kaufmann, B. P.
Lang, Anton
Neel, J. V.
Newcomb, T. M.
Oncley, J. L.

Minnesota

Crawford, Bryce, Jr.
Hurwicz, Leonid
Kolthoff, I. M.
Luyten, W. J.
Ney, E. P.
Nier, A. O. C.
Stakman, E. C.
Visscher, M. B.
Wangensteen, O. H.
Watson, C. J.

Missouri

Davis, Hallowell
Doisy, E. A.
Hamburger, Viktor
Levi-Montalcini, R.
Lowry, O. H.
Sears, E. R.
Thomas, C. A.
Vagelos, P. Roy
Walker, Robert M.

Weissman, S. I.

Nebraska

Brakke, Myron K.

Nevada

Fuson, R. C.
Went, F. W.

New Hampshire

MacDonald, G. J. F.
Stockmayer, W.

New Jersey

Anderson, P. W.
Baker, W. O.
Bonner, J. T.
Buchsbaum, S. J.
Buddington, A. F.
Clogston, A. M.
Coale, A. J.
Dethier, V. G.
Dicke, R. H.
Dyson, F. J.
Fisk, J. B.
Fitch, V. L.
Geertz, Clifford
Gödel, Kurt
Goldberger, M. L.
Hammett, L. P.
Hedberg, H. D.
Herring, Conyers
Hopfield, J. J.
Horecker, B. L.
Kauzmann, Walter
Levine, Philip
McDermott, Walsh
Milnor, J. W.
Mislow, Kurt
Montgomery, Deane
Morse, Marston
Ochoa, Severo

Olson, Harry F.
Ostriker, J. P.
Pardee, A. B.
Patel, C. K. N.
Pfann, W. G.
Rosenbluth, M. N.
Schwarzschild, M.
Shulman, R. G.
Smyth, C. P.
Spencer, D. C.
Spitzer, Lyman, Jr.
Stein, Elias M.
Treiman, Sam
Tukey, John W.
Udenfriend, Sidney
Wever, E. G.
Wheeler, J. A.
Whitney, Hassler
Wightman, A. S.
Wigner, E. P.
Zworykin, V. K.

New Mexico

Bradbury, N. E.
Livingston, M. S.
Zachariasen, W. H.

New York

Ahrens, E. H., Jr.
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Bers, Lipman
Bethe, H. A.
Bigeleisen, J.
Blomquist, A. T.
Boyd, F. R., Jr.
Branscomb, L. M.
Braun, A. C.
Breit, G.
Breslow, Ronald
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Bueche, A. M.
Chargaff, Erwin
Conant, J. B.
Cool, R. L.
Coolidge, W. D.

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 Cournand, André
 Craig, L. C.
 Darby, W. J.
 Darnell, J. E., Jr.
 Dole, V. P.
 Drake, F. D.
 Dubos, R.
 Dunning, J. R.
 du Vigneaud, Vincent
 Eagle, Harry
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 Edelman, Gerald M.
 Eilenberg, Samuel
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 Emerson, A. E.
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 Festinger, Leon
 Friedlander, G.
 Friedrichs, K. O.
 Furth, Jacob
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 Gates, M.
 Giaever, Ivar
 Gibson, E. J.
 Gibson, J. J.
 Glass, H. B.
 Goebel, W. F.
 Gold, Thomas
 Goldhaber, G. S.
 Goldhaber, M.
 Goldstine, H. H.
 Gomory, R. E.
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 Hartline, H. K.
 Haworth, L. J.
 Heidelberger, M.
 Heppel, L. A.
 Hershey, A. D.
 Hirsch, J. G.

Hirst, G. K.
 Hoard, J. L.
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 Hoffmann, Roald
 Holtfreter, J.
 Hotchkiss, R. D.
 Hurwitz, Jerard
 John, Fritz
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 Kac, Mark
 Kandel, E. R.
 Keller, J. B.
 Kunkel, H. G.
 Lancefield, R.
 Lawrence, H. S.
 Lax, Peter D.
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 Lee, Tsung-Dao
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 Levinthal, Cyrus
 Lipmann, Fritz
 Long, F. A.
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 Loomis, A. L.
 Mark, H. F.
 Marks, Paul A.
 Marler, Peter
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 Meyer, Karl
 Miller, G. A.
 Miller, N. E.
 Mindlin, R. D.
 Montroll, Elliott W.
 Moore, Stanford
 Moser, J. K.
 Muetterties, E. L.
 Nachmansohn, David
 Nirenberg, Louis
 Novikoff, Alex B.
 Pais, A.
 Pfaffmann, Carl
 Piore, E. R.
 Rabi, I. I.
 Racker, Efraim

Rahn, Hermann
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 Ratliff, Floyd
 Ratner, Sarah
 Riker, W. H.
 Robbins, Herbert
 Robbins, W. J.
 Ruderman, M. A.
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 Scheraga, H. A.
 Seitz, Frederick
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 Shapiro, H. L.
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North Carolina

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Ohio

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Oregon

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Pennsylvania

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Tennessee

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Texas

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